# ASSIGNED

### AMENDED

Nº 50378

### APPLICATION FOR PERMIT

## TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

		NOV 2 4 1986	
		DEC 0 5 1986  DEC 1 6 1986	
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	TO ANCIDANCE DACTETO	GEOTHERMAL CORPORATION	
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		, of OAKLAND City or Town	
	State and Zip Code No.	, hereby make application for permission to appropriate the public	
		stated. (If applicant is a corporation, give date and place of incorpora-	
tion;	; if a copartnership or association, give na	ames of members.) INCORPORATED 10/15/85	
ΑT	RENO, NEVADA		
1.		on is THE STILLWATER GEOTHERMAL RESERVOIR  Name of stream, lake, spring, underground or other source	
2		:	
2.		One second-foot equals 448.83 gals, per min.	
		f acre-feet N/A	
3.	Irriga	tion, power, mining, manufacturing, domestic, or other use. Must limit to one use.	
4.	If use is for:		
	(a) Irrigation, state number of acres to b	pe irrigated	
	(b) Stockwater, state number and kinds	of animals to be watered	
	(c) Other use (describe fully under "No.	12. Remarks"	
	(d) Power:		
	SPEN	LO MW FLECTRIC  VT GEOTHERMAL BRINE WILL BE REINJECTED INTO  LIM GEOTHERMAL RESERVOIR.	
5.	The water is to be diverted from its sour	rce at the following point LOCATED IN THE NW2 OF NW2.  Describe as being within a 40-acre subdivision of public	
		FROM SAID POINT THE NE CORNER OF SEC. 1.	
		9 <sup>0</sup> 50' 41" W A DISTANCE OF 5676.02 FEET.	
6.	Place of use NE's NE's SEC. 1 1	r19n, R30E, MBD&M be by legal subdivision. If on unsurveyed land, it should be so stated.	
7.	Use will begin about JAN. 1  Month and Day	and end about DEC. 31, of each year.  Month and Day	
8.	Description of proposed works. (Under	the provisions of NRS 535.010 you may be required to submit plans and	
	<b></b> .	ge works.) GEOTHERMAL WELL AS PER ATTACHED State manner in which water is to be diverted, i.e. diversion structure, ditches and ILL PRODUCE BY SELF-INDUCED FLASH FLOW.	
•		<u>A</u>	

10.	Estimated time required to construct works 30 DAYS		
	If well completed, describe works.		
11.	Estimated time required to complete the application of water to beneficial use 1 YEAR		
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.		
	PRODUCED WATER WILL BE USED TO OPERATE A HYBRID FLASHED STEAM-BINARY		
	POWER PLANT. 10% OF THE PRODUCED FLUID WILL BE CONSUMED IN THE POWER		
	PLANT COOLING TOWER. 90% OF THE PRODUCED FLUID WILL BE REINJECTED		
	INTO THE GEOTHERMAL RESERVOIR. THE TOTAL ANNUAL CONSUMPTIVE USE WILL BE 774 ACRE-FEET.		
	By s/illegible		
Com	pared js/se pm/hc 1330 BROADWAY, SUITE 1525 OAKLAND, CA 94612		
Prot	ested		
	A DDD CVAT		
	APPROVAL OF STATE ENGINEER		
amo fin pla rea mai be inj ben to con hea geo oth wel (CO	This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the wing limitations and conditions:  This permit is issued subject to existing rights. It is understood that the unt of geothermal fluid herein granted is only a temporary allowance and that the al right obtained under this permit will be dependent upon the amount actually ced to beneficial use. It is also understood that this right must allow for a sonable decrease of fluid pressure and heat. The well shall be equipped and ntained to prevent any waste of the geothermal fluid. Accurate measurements must kept of discharge of the production well and the amount of fluid injected into the ection well to determine the total amount of fluid diverted and consumed for a eficial use.  The production and injection wells are to be cemented from the producing levels the surface to protect fresh water zones. This permit is issued subject to the dition that only geothermal fluids are to be diverted and used beneficially for ting purposes and fresh, cold water aquifers are not to be diverted. The used thermal fluids are to be returned to the source via the injection wells. The usnce of this permit does not waive the requirements that the permit holder obtain er permits from State, Federal and local agencies. A detailed log on the injection ls and/or other analyses of the system used for returning the used geothermal NTINUED ON PAGE 2)  amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and		
not t	o exceed 3.6 cubic feet per second, but not to exceed a		
con	sumptive use of 261 acre-feet annually.		
Worl	k must be prosecuted with reasonable diligence and be completed on or before March 10, 1989		
Proo	f of completion of work shall be filed on or before April 10, 1989		
App]	lication of water to beneficial use shall be made on or before		
Proo	f of the application of water to beneficial use shall be filed on or before		
Мар	in support of proof of beneficial use shall be filed on or before		
Comp	oletion of work filed		
Proof	of beneficial use filed		
Cultu	ral map filed		
	Cicate No. Issued State Engineer		

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Page 2 50378

#### (PERMIT TERMS CONTINUED)

fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 2606 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

This permit is issued under the provisions of NRS 534.120(2) as a preferred use. The total combined duty of water under Permits 30683, 30684, 50025, 50375, 50376, 50377 and 50378 shall not exceed 3620 acre-feet annually.

